Inter al Application No PCT/US 03/30010

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61L31/10 A61L31/16

According to International Patent Classification (IPC) or to both national classification and IPC

#### B. FIELDS SEARCHED

Minimum documentation searched (dassification system followed by classification symbols) IPC  $\,7\,$  A61L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, EMBASE

C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the	relevant passages	Relevant to claim No.
Х,Ү	WO 00 32255 A (SCIMED LIFE SYSTE 8 June 2000 (2000-06-08) claims 1,2,4,8,10 page 5, line 26-28 page 11, line 17-29 page 13, line 19,20 page 14, line 9,10 page 17, line 11-27 page 21, paragraphs 14-21	EMS INC)	1-25
Χ,Υ	US 6 368 658 B1 (KAMATH KALPANA 9 April 2002 (2002-04-09) claim 21 example 7 column 4, line 30-39,54-56 column 7, line 3-9,20-32	ET AL) -/	1-25
X Furti	ner documents are listed in the continuation of box C.	χ Patent family members are listed	in annex.
'A' docume consider it docume which citation 'O' docume other it 'P' docume tater it	ant which may throw doubts on priority claim(s) or is cled to establish the publication date of another in or other special reason (as specified) and referring to an oral disclosure, use, exhibition or means and prior to the international filling date but and the priority date claimed.	"T" later document published after the Inte or priority date and not in conflict with cited to understand the principle or the invention  "X" document of particular relevance; the cannot be considered novel or cannot involve an inventive step when the do  "Y" document of particular relevance; the cannot be considered to involve an in document is combined with one or ments, such combination being obvious in the art.  "&" document member of the same patent	the application but every underlying the laimed invention be considered to current is taken alone laimed invention ventive step when the very the such docusis to a person skilled family
	actual completion of the international search	Date of mailing of the international sea	arch report
1	2 February 2004	24/02/2004	
Name and r	naling address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  Fax: (+31-70) 340-3016	Authorized officer Peris Antoli, B	

Inter d Application No PCT/US 03/30010

C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	10703 03/30010
Category •		Relevant to claim No.
X,Y	US 5 824 048 A (TUCH RONALD J) 20 October 1998 (1998-10-20) claims 1-8 column 3, line 6-22 column 6, line 33-65 example 8	1-25
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Х,Ү	WO 00 45734 A (WRIGHT MEDICAL TECH INC) 10 August 2000 (2000-08-10) claims 1,4-8 page 1, line 28-33 page 3, line 27-32 page 5, line 29-33	1-25
X,Y	WO 02 26139 A (CORDIS CORP) 4 April 2002 (2002-04-04) example 4 figures 4,5 page 8, line 15,16 page 20, line 1-16	1-25
Y	DUNNE M ET AL: "Influence of particle size and dissolution conditions on the degradation properties of polylactide-co-glycolide particles" BIOMATERIALS, ELSEVIER SCIENCE PUBLISHERS BV., BARKING, GB, vol. 21, no. 16, August 2000 (2000-08), pages 1659-1668, XP004200585 ISSN: 0142-9612 page 1659, column 2, paragraph 2 -page 1660, column 1, paragraph 1	1-25
Y	JAIN R A: "The manufacturing techniques of various drug loaded biodegradable poly(lactide-co-glycolide) (PLGA) devices" BIOMATERIALS, ELSEVIER SCIENCE PUBLISHERS BV., BARKING, GB, vol. 21, no. 23, 1 December 2000 (2000-12-01), pages 2475-2490, XP004216917 ISSN: 0142-9612 page 2476, column 1, paragraph 5 -column 2, paragraph 2	1-25

International application No. PCT/US 03/30010

## INTERNATIONAL SEARCH REPORT

Box I Observations where cert	tain claims were found unsearchable (Continuation of item 1 of first sheet)
This International Search Report has n	not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Ctaims Nos.: because they relate to subject	t matter not required to be searched by this Authority, namely:
Although claim 1 body, the search compound/composit	l is directed to a method of treatment of the human/animal has been carried out and based on the alleged effects of the ion.
because they relate to parts of	25 (partially)  of the International Application that do not comply with the prescribed requirements to such  International Search can be carried out, specifically:
see FURTHER INFOR	MATION sheet PCT/ISA/210
3. Claims Nos.: because they are dependent	claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unit	ty of invention is lacking (Continuation of Item 2 of first sheet)
This International Searching Authority	found multiple inventions in this international application, as follows:
As all required additional sear searchable daims.	rch fees were timely paid by the applicant, this International Search Report covers all
2. As all searchable claims could of any additional fee.	d be searched without effort justifying an additional fee, this Authority did not invite payment
As only some of the required covers only those claims for w	additional search fees were timely paid by the applicant, this international Search Report which fees were paid, specifically claims Nos.:
No required additional search restricted to the invention first	fees were timely paid by the applicant. Consequently, this International Search Report is mentioned in the claims; it is covered by claims Nos.:
Domesti en Deste :	
Remark on Protest	The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.
	To proceed accompanied the payment of additional search less.

#### FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 1-25 (partially)

Present independent claims 1, 11 and 12 relate to coating(s) which are defined by reference to a desirable characteristic or property, namely

(i) "coating having at least two layers, each of them having at least one physical property affecting the releaseability of a therapeutic compound, said property differing from one to the other layer" 'see claim 1!;

(ii) "controllable drug releasing gradient coating" 'see claim 11!; and (iii) "first (coating) layer having at least one physical property affecting the releaseability of a therapeutic compound, and at least one additional layer differing in said at least physical property" 'see claim 12!

The dependent claims 5-6 or 17-18 indicate one physical property of the coating layers -namely, the molecular weight-, and claims 7 or 19 indicate various kinds of polymers of which at least one of the layers could be constituted. However, none of the claims gives a concrete definition of both coating layers.

The claims cover all coating layers having the aforementioned characteristics or properties, whereas the application provides support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT only for theoritical examples of said layers. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Independent of the above reasoning, the claims also lack clarity (Article 6 PCT). An attempt is made to define the coating layers by reference to a result to be achieved. Again, this lack of clarity in the present case is such as to render a meaningful search over the whole of the claimed scope impossible. Consequently, the search has been carried out for those parts of the claims which appear to be clear, namely medical implants comprising anti-restenotic drugs as defined in claims 8-10 or 21-25.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

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